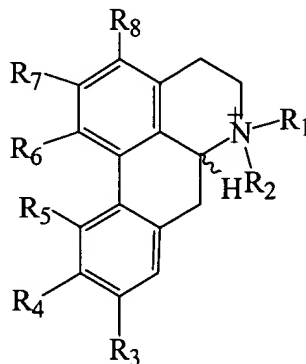


In the Claims

Claims 1-12 (canceled)

13. (currently amended) A method for the isolation and purification of an aporphine alkaloid from a plant; wherein said aporphine alkaloid is selected from the group of compounds having the following structure:



wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, cycloalkyl, substituted cycloalkyl, alkenyl or substituted alkenyl; R₃, R₄, R₅, R₆, R₇ and R₈ are independently selected from the group consisting of H, hydroxy, thiol, methoxy, methyl sulfide, methylenedioxy, alkoxy, alkyl sulfide; and the pharmaceutically acceptable acid addition salts, selected from the group consisting of chloride, iodide, fluoride, sulfate, phosphate, acetate or carbonate and a pharmaceutically acceptable carrier thereof; said method ~~comprising~~ consisting of:

- (a) extraction of a ground biomass of a plant containing aporphine alkaloids with a solvent;
- (b) neutralization and concentration of the neutralized extract; and
- (c) purification of said extract by a chromatographic method, wherein said chromatographic method is selected from the group consisting of ion exchange chromatography, reverse phase chromatography, size exclusion chromatography, ultra-filtration or a combination of two or more of these methods.

14. (canceled)

15. (original) The method of claim 13 wherein the plant is selected from the group consisting Araceae, Aristolochiaceae, Berberidaceae, Caprifoliaceae, Euphorbiaceae, Fumariaceae, Helleboraceae, Lauraceae, Magnoliaceae, Menispermaceae, Mrliaceae, Papaveraceae, Ranunculaceae, Rhamnaceae and Rutaceae.

16. (previously presented) The method of claim 13 wherein the plant is selected from the group consisting of: *Zanthoxylum*, *Tinospora*, *Mahonia*, *Phellodendron*, *Aristolochia*, *Magnolia*, *Thalictrum*, *Coptis*, *Epimedium*, *Ranunculus*, *Sinomenium*, *Nandina*, *Manodora*, *Berberis*, *Fumaria*, *Pachygone*, *Dioscoreophyllum*, *Glaucium*, *Clematis*, *Aconitum* or *Cocculus*, *Xanthoxylum*, *Toddalia*, *Papaver*, *Hypecoum*, *Hylomecon*, *Prantl*, *Argemone*, *Eschscholtzia*, *Dicentra*, *Fagara*, *Symphoricarpos*, *Bocconia*, and *Xylocarpus*.

Claims 17-18 (canceled)

19. (previously presented) The method of claim 13 wherein the biomass is extracted in a column extractor.

Claims 20-22 (canceled)

23. (previously presented) The method of claim 13 wherein said aporphine alkaloid is selected from Magnoflorine or Laurifoline.

Claims 24-25 (canceled)

26. (previously presented) The method in claim 13 wherein the extract is neutralized to a pH between 4.5 - 7.0.